

Recovery Plan Action Status

Plan Name: Whooping Crane Recovery Plan, Final Third Revision

Plan Status: Final Revision 3

Plan Date: 29-May-07

Lead Agency: USFWS

Lead Office: Arkansas/matagorda Island National Wildlife Refuge Complex

(2861)
286-3559)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	1	111	Conduct Aerial Surveys in WBNP	Ongoing Current	Prior to FY 1995		Agencies	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	112	Analyze Data on Egg Management	Partially Complete	FY 2000 - FY 2004		Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	1	113	Conduct Aerial Surveys at ANWR	Ongoing Current	Prior to FY 1995		USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	12	Monitor Movements in Migration	Ongoing Current	Prior to FY 1995		USFWS Region 6, Canadian Wildlife Service, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	131	Prevent Shooting	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	132	Diminish Disease Losses	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	1	133	Diminish Collisions	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036; FY 2012-2016 includes 162K for satellite telemetry
Whooping crane (Grus americana)	2	141	Restrict Construction Periods	Ongoing Current	Prior to FY 1995		Canadian Wildlife Service, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	142	Restrict Aircraft Altitude	Ongoing Current	Prior to FY 1995		Canadian Wildlife Service, Parks Canada Agency, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	143	Restrict other disturbance	Ongoing Current	Prior to FY 1995		Canadian Wildlife Service, Parks Canada Agency, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	151	Identify Essential Habitat	Ongoing Current	Prior to FY 1995		Canadian Wildlife Service, Parks Canada Agency	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036; FY 2012-2016 includes 162K for satellite telemetry
Whooping crane (Grus americana)	2	1521	Monitor Habitat in WBNP	Ongoing Current	Prior to FY 1995		Wood Buffalo National Park	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1522	Monitor Foods and Salinities at ANWR	Ongoing Not Current	Prior to FY 1995		USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	3	1523	Measure stopover habitat	Ongoing Current			U.S. Fish and Wildlife Service, Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1531	Maintain WBNP	Ongoing Current	Prior to FY 1995		Wood Buffalo National Park	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1532	Protect migration habitat	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036. In FY08, CCESFO assisted TNC and 2 PLO's with ongoing work to complete conservation easements on both individual's tracts - funding via 2 successive years of section 6 RLA grants.
Whooping crane (Grus americana)	2	1533	Maintain ANWR and other NWR	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1534	Prevent Contamination	Ongoing Current	Prior to FY 1995		Canadian Wildlife Service, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1535	Prevent Erosion of Habitat	Ongoing Current	Prior to FY 1995		USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	2	1536	Manage Dredge Material	Ongoing Current	Prior to FY 1995		USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	1	1537	Maintain Freshwater Inflows	Ongoing Not Current	FY 1995 - FY 1999		USFWS Region 6, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1538	Maintain Instream Flows	Ongoing Not Current	Prior to FY 1995		USFWS Region 6	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1539	Monitor Global Warming	Not Started			Canadian Wildlife Service, Parks Canada Agency, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1541	Fire Management	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Parks Canada Agency	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1542	Maintain Upland Water Sources	Ongoing Current	Prior to FY 1995		USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	1543	Manage Vegetation	Ongoing Current	Prior to FY 1995		USFWS Region 6, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	2	155	Create Wetland Habitat	Ongoing Current	FY 1995 - FY 1999		USFWS Region 6, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	21	Develop More Sensitive Measures of Genetic Diversity	Not Started			U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	1	22	Increase Captive Breeders	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Washington Office, U.S. Geological Survey, Canadian Wildlife Service, USFWS - Southwest Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	231	Refine Breeding Pair Management	Ongoing Current	Prior to FY 1995		U.S. Geological Survey, All captive centers	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	232	Refine Incubation Procedures	Ongoing Not Current	Prior to FY 1995		International Crane Foundation, Patuxent Wildlife Research Center	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	233	Refine Rearing Procedures for Reintroductions	Ongoing Current	Prior to FY 1995		International Crane Foundation, Patuxent Wildlife Research Center , Operation Migration	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	234	Refine Veterinary Procedures	Ongoing Current	Prior to FY 1995		National Wildlife Health Center (USGS), All captive centers	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	3	235	Exchange Avicultural Information	Ongoing Current	Prior to FY 1995		Whooping Crane Captive Management Team	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	24	Maintain Captive Facilities	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Washington Office, U.S. Geological Survey	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	31	Develop Release Techniques	Ongoing Current	Prior to FY 1995		International Crane Foundation, Patuxent Wildlife Research Center , U.S. Fish and Wildlife Service, Southeast Region, USFWS - Region 3	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	32	Select Release Sites	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Southeast Region, Canadian Wildlife Service, USFWS - Southwest Region, USFWS - Region 3	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	33	Establish a Non-Migratory Population	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Washington Office, Florida Fish and Wildlife Conservation Commission, U.S. Fish and Wildlife Service, Southeast Region	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	2	34	Establish Migratory Population	Ongoing Current	FY 2000 - FY 2004		International Crane Foundation, Wisconsin Department of Natural Resources, Patuxent Wildlife Research Center , U.S. Fish and Wildlife Service, Southeast Region, Operation Migration, USFWS - Region 3	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Whooping crane (Grus americana)	3	4	Determine Ne for Species Survival	Not Started			U.S. Fish and Wildlife Service, Patuxent Wildlife Research Center , Canadian Wildlife Service	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	51	Develop Media Products	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Washington Office, U.S. Fish and Wildlife Service, Southeast Region, USFWS Region 6, Canadian Wildlife Service, USFWS - Southwest Region, USFWS - Region 3	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	52	Provide Viewing Opportunities	Ongoing Current	Prior to FY 1995		Wisconsin Department of Natural Resources, Florida Fish and Wildlife Conservation Commission, U.S. Fish and Wildlife Service, Southeast Region, USFWS Region 6, Canadian Wildlife Service, USFWS - Southwest Region, USFWS - Region 3	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036
Whooping crane (Grus americana)	3	53	Implement Education Programs	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Washington Office, U.S. Fish and Wildlife Service, Southeast Region, USFWS Region 6, Canadian Wildlife Service, USFWS - Southwest Region, USFWS - Region 3	Work type not yet selected	Labor type not yet selected	Costs in FY 2008 are for FY 2008-2011, Costs in FY 2012 are for FY 2012-2016, Costs for FY 2017 are for FY 2017-FY 2036